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### ABSTRACT

This physical education guide, for u e in grades 7-12, is one of a series of guides, K-12, that were developed by teachers to help introduce environmental education into the total curriculum. The guides are supplementary in design, containing a series of episodes (minilessons) that bridge the gap between physical education and the environment, since all physical education begins with reflects, and depends on the environment. The episodes are built around 12 major environmental concepts that form a framework for each grade or subject area, as well as for the entire K-12 program. Although the same concepts are used throughout the K-12 program, emphasis is placed on different aspects of each concept at different grade levels or subject areas. This guide focuses on aspects such as camping, skiing, and fitness. The 12 concepts are covered in one of the episodes contained in the guide. Further, each episode offers subject area integration, subject area activities, interdisciplinary activities, cognitive and affective behavioral objectives, and suggested references and resource materials useful to teachers and students. (Author/TK)



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# BOATS AND THE THE BUILDING THE STATE OF THE

Robert J. Warpinski

Project I-C-E

ERIC Full Rext Provided by ERIC

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(Instruction-Curriculum-Environment)
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Serving All Schools in Cooperative Educational Service Agencies 3-8-9 Wisconsin Area "B" Regional Project

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In 1969, the First Environmental Quality Education Act was proposed in the United States Congress. At the time of the introduction of that legislation, I stated:

"There is a dire need to improve the understanding by Americans of the ominous deterioration of the Nation's environment and the increasing threat of irreversible ecological catastrophe. We must all become stewards for the preservation of life on our resourcedeficient planet."

to a concern not merely of aestheagainst pollution have all continuing degradation of our air and water, and the discussion over passed by the Congress, much has happened in the United States to tics but of the survival of the ronmental quality of this nation brought the question of the envihuman race. the economic costs of the war quate energy resources, the Environmental Education Act was The intensive concern over adefor the Nation's young people. fective environmental education reinforce the great need for ef-In the three years since the

The intense interest by the public in the quality of our lives

as affected by the environment clearly indicates that we cannot just use incentives and prescriptions to industry and other sources of pollution. That is necessary, but not sufficient." The race between education and catastrophe can be won by education if we marshall our resources in a systematic manner and squarely confront the long-term approach to saving our environment through the-process of education.

As the incessant conqueror of nature, we must reexamine our place and role. Our world is no longer an endless frontier. We constantly are feeling the backlash from many of our ill-conceived efforts to achieve progress.

Rachel Carson's theme of
"reverence for life" is becoming
less mystical and of more substance as our eyes are opened to
much of the havoc we have wrought
under the guise of progress. A
strong commitment to an allembracing program of environmental
education will help us to find
that new working definition of
progress that is a pre-requisite
to the continued presence of life
on this planet.

Senator Gaylord Nelson

### PREFACE

should coincide with the "skills" portion of your teaching units.

For instance, the episode on bowling used successfully with high schoolers dramatically illustrates how natural resources like rubber, units as you, the teacher, see fit or deem appropriate. Some lessons are short involving a class period or less. Others are longer and sports involve the use of energy, natural resources, man's manipulation of his world and individual responsibility--to name a few environmental concerns. In this guide, episodes are designed to be inserted into Physical education begins with, reflects and depends on the

teaching objectives. Like the bowling lesson, fitness testing is another example of the many possibilities you il find. Other appropriate or adaptations can help you apply more than one concept to a given lesson. Here's a booklet created for you--giving specific ideas plus offering flexibility--for your special teaching situation. either shorter or longer teaching time--as determined by you and your "total picture" of their own physical education. Units on fitness and cardiovascular testing are topics requiring Other approaches

wood, fuel, etc. have a definite bearing on the extent and type of recreation. The relationship of this "resource demand" to physical

education is obvious and needs emphasis if students are to see the

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# DIRECTIONS FOR USING THIS GUIDE

This guide contains a series of episodes (mini-lesson plans), each containing a number of suggested in and out of class learning activities. The episodes are built around 12 major environmental concepts that form a framework for each grade or subject area, as well as for the entire K-12 program. Further, each episode offers subject area integration, multi-disciplinary activities, where applicable, both cognitive and affective behavioral objectives and suggested reference and resource materials useful to the teacher and studants.

- in design——it is not a complete course of study, nor is its arrangement sequential. You can teach environmentally within the context of your course of study or units by integrating the many ideas and activities suggested.
- 2. The suggested learning activities are departures from regular text or curriculum programs, while providing for skill development.

- objectives, activities and resources can conveniently be included in your unit.
- 4. All episodes can be adapted, modified, or expanded thereby providing great flexibility for any teaching situation.
- area has its own topic or unit emphasis, inter-grade coordination or subject area articulation to avoid duplication and overlap is highly recommended for any school or district seeking effective implementation.

This total K-12 environmental education series is the product of 235 classroom teachers from Northeastern Wisconsin. They created, used, revised and edited these guides over a period of four years. To this first step in the 1,000 mile journey of human survival, we invite you to take the second step--by using this guide and by adding your own inspirations along the way.

# PROJECT I-C-E TWELVE MAJOR ENVIRONMENTAL CONCEPTS

- 1. The sun is the basic source of energy on earth. Trans-formation of sun energy to other energy forms (often begun by plant photosynthesis) provides food, fuel and power for life systems and machines.
- 2. All living organisms interact among themselves and their environment, forming an intricate unit called an ecosystem.
- 3. Environmental factors are limiting on the numbers of organisms living within their influence. Thus, each ecosystem has a carrying capacity.
- 4. An adequate supply of clean water is essential to life.
- 5. An adequate supply of clean air is essential for life.
- 6. The distribution of natural resources and the interaction of physical environmental factors greatly affect the quality of life.

- transportation, economic conditions, population growth and increased leisure time influence changes in land use and population densities.
- 8. Cultural, economic, social, and political factors determine man's values and attitudes toward his environment.
- 9. Man has the ability to manage, manipulate and change his environment.
- 10. Short-term economic gains may produce long-term environmental losses.
- 11. Individual acts, duplicated
   or compounded, produce sig nificant environmental
   alterations over time.
- 12. Each person must exercise stewardship of the earth for the benefit of mankind.

A "Concept Rationale" booklet and a slide/tape program "Man Needs His Environment" are available from the I-C-E RMC to more fully explain these concepts.

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S. A. Title **PROJECT** 59-70-0135 for camping and the price.

2. Use of each piece of Maintain the environment such practices as: ment as little as possible in as near to its condition when practices to harm the environsary or a weekend camping the best equipment as neceshe arrived, by such practices Demonstrate proper camping trip to a given location. Criteria can be used to select Skills Used: Affective: a. Site selection. Cognitive: BEHAVIORAL OBJECTIVES ORIENTATION CONCEPT NO. Environmental: Proper names of equipment How to pick equipment. equipment. Discussion procedures Covering garbage. Fire building. Picking up litter. Trail making. Camping Equipment and Camping ı Land Use In-Class: Note: A. D. ç parts A, B, C, and two (Continued) work in groups through ω 2. students give a presenping magazines, have Using outdoor and camthe U.S. and Canada. tation on camping in camping. equipment necessary for comprise a list of packing. display. Have all the students Demonstration on Bring equipment from home for a camping Sites Four students could Explain each piece Show use. a. Eastern Possibly a panel on Possible future growth. each section of U.S recommendations. Discuss reason for r. Local area STUDENT-CENTERED LEARNING ACTIVITIES Midwest Southern Western Canada TOPIC/UNIT SUBJECT Integrated with: Camping Physical Education A **Outside or Community:** C. B Man from a sports and areas for camping party discuss camping Have parent or interested Movie on camping. equipment and the price. in the immediate area demonstrate camping store

## Publications:

Woodall's Trailering Parks and

Campgrounds

Better Camping Magazine, Woodall Pub. Co., 500 Hyacinth Place, Highland Park, Illinois Camping and Trailering, American Street, N.W. Washington, D. C. Automobile Association, 1712 G 20006

The Golden Guide to Camping, Robert E. Smallman, Golden Press, New York

## Audio-Visual:

Films: Camp Happiness, Purdue Univ. Adventuring in Conservation,

### Community:

\* Essential for backpacking if would like to bring. students want to go beyond this they can determine what they

Cooking utensils

Cots

Toothbrush

\*Hat

\*Long underwear

\*Rain gear

socks

Deodorant Shampoo and paste

etc.)

or season of the year, terrain

is determined by the weather (The types of clothing worn Towels

blankets

heater

**Packs** 

# CONTINUED OR ADDED LEARNING ACTIVITIES

# CLASSROOM (Continued)

backpacking to motorized vehicles. country. Remainder work out trends in camping--from students could make themselves experts in areas of the

CAMPING EQUIPMENT

こうきゃうちゃ	7	11~~1+%	17~~ 1: ~	S Compared 1
Folding	Boat	*First	Detergent	Repair kits
table	Canoe	aid kit	Cold H <sub>2</sub> 0	*Extra rope
Throw rug	Motor	Snake-	Soap	Pumps (bike)
Suntan oil	Hobby	bite kit	Laundry bag	*Extra tarps
Umbrella	equip.	Bactine	Clothesline	Shovel (small)
Folding	Golf clubs	Hydrogen	Clothespins	Axe
stools	Binoculars	peroxide	,	Hammer
Thermos	Puzzles &	Disinfec-	•	*Saw
bottle	games	tant		Pliers
Folding	Camera			Screwdriver
easy chair	Books			%Knife
Sunglasses	Fishing			Bucket
*Insect	tackle			Broom
repéllent	Cards			*Wire
Clock	Tennis			Assortment of
	rackets			nails
Major				Sewing kit
1.	Sleeping	Personal	Clothing	*Canteen
i	bags	Toiletries	sweaters	*Compass and maps
est	Pillows	Cosmetics	*Jackets	proofed)
	Air mat-	Shaving	*Boots &	Prooted)
Cook stove	tresses	Equip.	shoes	
Catalytic	Extra	*Mirror	*Extra wool	

### Publications:

The Golden Guide to Camping,
Robert E. Smallman, Golden
Press, New York
Numerous publications concerning
camping and camp equipment are

also available in the school and public libraries
Be Expert With Map and Compass,
Bjorn Kjellstrom, American
Orienteering Service, New York,

Survival With Style, Bradford Angier, ICE RMC, Il5 An Audio-Visual: (Continued)

Film:

Heritage of Splendor, Camping Equipment, Coleman Company, Inc., P. O. Box 1762, Wichita, Kansas 67201

Game:

Outdoor Survival, Education Ventures, ICE RMC, SG 9

### Community:

Local sports representative Fathers involved in camping

# CONTINUED OR ADDED LEARNING ACTIVITIES

# PUBLICATIONS (Continued)

Be Prepared To Get Lost, ICE field activity guide, ICE When You Are In The Woods, Fay Welch, State University College of Forestry at Syracuse University, New York, How To Survive On Land And Sea, U. S. Naval Institite, Annapolis, Maryland, 1956 1950 RMC George Howlett, Jr. Environmental Education Specialist Project I-C-E 1927 Main Street Green Bay, Wisconsin 54301

BE KIND TO YOUR OUTDOORS (Safety and Courtesy Preparations for Wilderness Camping)

An advanced level field experience for students in grades 6-10 based on:

Concept #11 Individual acts, duplicated or compounded, produce significant environmental alterations over time.

Concept #12 Each person must exercise stewardship of the earth for the benefit of mankind.

To many, civilization means conquering nature. To conquer nature means to change it. However, man can conquer nature and still leave it as it is. By this we mean we can develop our skills to live with nature, in nature. We do it to get away from the demands of civilization.

Camping and hiking can be fun. It can give us a sense of achievement as well as a rest to a mind and body beaten down by the conflicts of modern living.

However, a large number of people have never learned how to retain the beauty and pleasantness of a wilderness place. This exercise is meant to teach the beginning steps in woodland manners. The student will come to know how to care for wild places. If one learns the techniques of living in nature by camping, this is an extra benefit.



### Note to Teachers

Use of this field exercise will give practical experience in applying concepts #11 and #12 of the I-C-E Program. It includes physical education, language arts, and home economics concepts directly in the teaching plan along with value orientation. The contents may indirectly touch science, social studies and art through follow up in the classroom activities.

General rules of woodlands manners should be taught in all stages of the exercise. You may obtain valuable help from experienced camper sportsmen in your area to assist in preparation of the exercise. Consult the suggested resources at the end of

this paper for additional ideas.

### Use of this exercise

The exercise may be used as a daytime field practice exercise. It may be broken into segments and used over several days time for physical education classes having an outdoor classroom adjacent to the school. It may be used as a field exercise unit for established camps in those school districts which have a camping program. It may be used as an overnight tent camping exercise for an extended field trip.

### Activities

### A. Trip Preparation

1. Assignment of duties

Divide the class into patrols of five persons each. Give each person a patrol assignment. A 5-person patrol is suggested because state parks restrict campsites to 5 person limits (or 1 family).

Patrol Leader: Assumes overall responsibility within the patrol for observation of safety and courtesy rules. Leads patrol in decision making. Assists each team member as needed.

Trail Guide: Checks packs and assigns pack carrying duties. Leads patrol on overland hike. Checks adjustment of packs at rest stop. Should know how to use a compass. Assists quarter master in setting up camp.

Quarter Master: Directs the setting up of tent or other shelter and the take down of same.



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- Camp Cook: Collects fire making material together with other patrol cooks, builds fire or operates portable stoves as needed. Cooks or supervises patrol cooking of lunch as previously planned.
- Sanitarian: Collects trash along the trail. Sees that no member of his own patrol litters. Together with other patrol sanitarians, sets up latrine area. Supervises final clean up of patrol camp site. Assists in clean up and take down of latrine area.

Remaining students not forming a full patrol should be assigned as aides' de camp to the teacher and other leaders. One student should be appointed medic and carry a good first aid kit.

- 2. Select equipment needed
  - Camp equipment tents, tarps, guy lines, roll of heavy cord, stakes and poles, borrow from parents or from school-connected scout group.
  - Fire making matches, tinder, portable stoves if needed (with fuel), camp saw
  - Latrines poles, tarp material, canvas or black plastic drop cloth, guy lines, stakes, shovel (folding preferred), toilet paper, soap, wash pan, towel.
  - Food Decide on menu in class, consult camp craft manuals for suggestions.
  - Packs Supplied by students, relatives, friends.

Equipment list will depend on season, terrain, group size, length of stay, distance from base, personal preferences, and availability of equipment. Consult equipment lists in camp craft manuals and articles. Encourage minimum equipment needs. Axes or hatchets not recommended because of safety considerations. Axe safety may be taught if desired.

- 3. Do research on safety and courtesy rules for camping and wilderness travel, set up and operation of equipment, sanitation procedures, and other aspects of wood lore.
- 4. Obtain the help of parents, aides, or others with camp experience to assist the teacher during the field time.
- 5. Locate camping area, obtain permission to use, rules to follow, check out site before trip.



### B. Field Day

- 1. Pack equipment in available packs. Assign equipment carrying duties proportionately to each patrol.
- 2. Travel to departure point.
- 3. Trail procedures:
  - a) Off-load students some distance from campsite.
  - b) Load assigned packs on patrol members.
  - c) Take overland hike to training campsite via interesting trail route (use of snowshoes or cross country skis is encouraged for winter wilderness visit).
  - d) Observe trail courtesy along the route.
  - e) Take 3-5 minute rest stop. Adjust packs, discuss packing problems.
  - f) Continue trip to campsite.

### Minimum Rules of Trail Courtesy

- 1. Treat all land as if you owned it. Take care of it as would a good landowner who cares for his land. Be nature's protector.
- 2. Do not damage or destroy any trees, plants, or flowers.
- 3. Leave no litter.
- 4. Do not damage trail signs.
- 5. Avoid causing erosion. Walk away from erodable bank edges.
- 6. No radios or other city noises, please!
- 7. Do not blaze trails. If necessary to mark the trail, use crepe paper or use loose native material for trail signs.



### Wilderness Traveler's Pledge

I believe that man can travel through the wilderness and Leave No Trace.

I will keep my proup small.

I will keep my stay in one place short.

I will not dig up ground cover.

I will not cut down trees or branches.

I will not build fires or, if I do, I will keep them small and scatter their remains.

I will leave no trash or other evidence of my stay in the wilderness.

I WILL LEAVE NO TRACE.

### G. A. Cunningham

### 4. Setting up camb

a) Upon arriving at the designated camp site, patrols will select, under teacher guidance, specific unit locations.

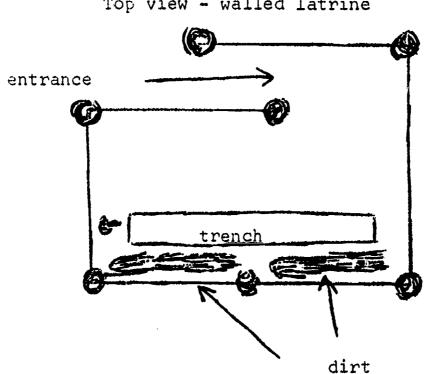
Each unit, following the basic rules for setting up a tent, prepares the assigned location and sets up camp.

- b) Simitarians, with the assistance of the aides' de camp, should set up a latrine area at the same time. See Number 5.
- c) Camp cooks should prepare a campfire. Make fires reasonably small and limit to two or three for the whole camp. See Number 6.
- d) Set up a variety of tents and tarps if available to demonstrate different set ups. Use prepared tent pegs rather than cutting any at the site.
- 5. Sanitation in practice
  - a) Suggestion: Use black plastic drop cloth for latrine wall material. Plastic or canvas tarp material also wor's, canvas is heavy to carry.



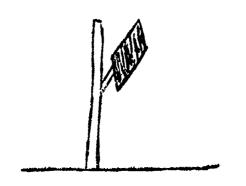
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- b) At the time of setting up camp, sanitarian will select a latrine site some distance from the main campsite and preferably somewhat screened from it by trees, etc. (Two latrines, boys and girls, may be set up.)
- c) Setting directions. Latrine site must be at least 15 meters (50 feet) from water (streams, lakes, wells, etc.)
- d) A latrine trench should be dug about 20-25 centimeters (8-10 inches) wide and about 20-25 cm. deep. Make trench about one meter (one yard) long.
- e) Use long pointed stakes for a frame; it will help to support the stakes with guy lines. Tie latrine wall material to frame. Sapling trees may serve as part of the frame.



Top view - walled latrine

f) Set up toilet paper. Support on a stick.



Place shovel in latrine. to cover human waste material.



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- g) Set up a wash pan with scap and towel outside latrine entrance.
- h) After inspection. Sanitarians take down latrine and cover trench at end of exercise, return area to natural appearance.

Sanitarians responsible to see that all refuse is carried back from campsite. Do not use trench to bury waste. Cans and bottles should be recycled.

- 6. Camp fires, food preparation
  - a) Cooks will work together to gather fire making materials, set up cooking fires (2-3 for the whole class, and begin cooking duties. They may be aided as help is available by other team members.)
  - b) Fire making. Gather only dry dead material; a small bow saw should be provided. Avoid the use of axes. Use firm dry wood of small diameter for fuel wood. Break off small dead branches for kindling.

Prepare a fire circle (see various manuals for details). Place the tinder and kindling inside the fire circle; place fuel wood on top.

Start a fire down under the tinder, don't start fires from the top.

c) A demonstration may be given by the teacher in the use of gasoline camp stove operation. Propane stoves are never recommended because of the propane fuel shortage.

Charcoal may be used in place of wood if time permits. It may be necessary to bring fuel to the campsite if the camp area provides little natural fire making material. Never cut living trees for firewood.

7. Camp lunch

Each patrol prepares food under direction of the cook and each it.

Sanitarians make sure each patrol cleans up its campsite.

- 8. Camp inspection
  - a) The teaching team inspects the work of each patrol unit and the latrine area.



- b) A discussion period follows the inspection. Safety and courtesy procedures, results of the inspection, reasons for procedures are pertinent points in the discussion.
- c) Sanitarians demonstrate two methods for purifying water:
  - 1) halazone tablet method
  - 2) boiling method
- 9. A field class or demonstration may be incorporated ad libitum magistri (according to the wishes of the teacher). A gun safety demonstration and discussion of hunting sportsmanship is very appropriate. Axe safety and manners is also appropriate.
- 10. Camp take down
  - a) Remove tents.
  - b) Put out fires, dead out.
  - c) Return site as best as possible to natural conditions.
  - d) Latrine take down.
  - e) Final inspection.
- 11. Return hike

Continue to observe trail courtesy.

- C. Follow-up
  - 1. Care for equipment.
  - 2. Letters of thanks to:

landowner parents and campers who assisted

3. Continue research on camping and camp courtesy.



### BEST COPY AVAILABLE

### Resources

- Angier, Bradford, 1972. Survival With Style, National Wildlife Federation, Washington, D. C., 320pp. Available from Project ICE Resource Center.
- Minnesota Department of Education. Minnesota Environmental Education Curriculum Project, Unit #6, Cookout, 108pp. Available from Project ICE Resource Center.
- Boy Scouts of America, 1967. Fieldbook 565p. Available at Boy Scout Field Office, Bay Lakes Council, Box 516, Menasha, WI 54952 and through Boy Scout suppliers in every city.
- Smallman, Robert, 1965. The Golden Guide to Camping, Golden Press, New York, 160pp. \$1.25. Available in department store bookracks.
- Ormond, Clyde, 1964. Complete Book of Outdoor Lore, Outdoor Life Books, Harper & Row, New York, 498pp.
- Boy Scouts of America, 1972. Scout Handbook, 8th edition, 480pp. Available from scout suppliers in every city.



Environmental:	Integrated with:	
CONCEPT NO. 12 - Stewardship	SUBJECT	Health Education
ORIENTATION Health and Food	Guidelines in TOPIC/UNIT	Camping - Health and Safety
	ı	
BEHAVIORAL OBJECTIVES	STUDENT-CENTERED	LEARNING ACTIVITIES
	In-Class:	Outside or Community:
strate proper heal dures and safety p	A. Have students list types	erienced g
be used while		preferably a parent of
Examples are:	energy	
sate	Foods for	son from
o Fersolidi Sarety.	nutrition.	station
→	P۰	problems that arise
•		poor camp
m	Collegations to	- CO
for a can	ç	pain or camping area
and explain why each selected.	Haliz	
to maintain the	T T	er effe
e co mariva	5. First	
condit	C. Packing of food.	onstrate
Tro Proces	7	
	with balanced nutri-	$\mu$
	2. Label items.	started to keep our
••••••••		ment as i
	<ul><li>D. Disposing of garbage.</li><li>l. Burn what is burnable.</li></ul>	
	Remove wha	
	burnable.	
: cing an	Note: Leave area as you found it!	
ply o		
camping	-	
outdoors.		)
3. Conservation and appreciation		30/ <sub>21</sub>
m		

Environmental:

# CONTINUED OR ADDED LEARNING ACTIVITIES

### **Publications:**

Wabelos Scout Book, Boy Scouts
of America, 1967
The Golden Guide to Camping,
Robert E. Smallman, Golden
Press, New York
Field Book for Boys and Men, Boy
Scouts of America, New Brunswick
New Jersey, 1967
How To Survive on Land and Sea,
United States Naval Institute,
Annapolis, Maryland, 1956
Be Kind To Your Outdoors, ICE
field activity, guide, ICE RMC

## Audio-Visual:

Adventuring in Conservation, BAVI

Game:

Outdoor Survival, Education Ventures, ICE RMC, SG 9

### Community:

Local dietician



S. E Title **PROJECT** ·E 59 70 0135 Make sure that the campfire is Select the site for a campfire camping. which is appropriate for the out before leaving; even if it proper treatment of a burn. energy to get water, land and wind conditions. knowledge Recommend safety and first aid Explain the importance of techniques for burns. first aid and preventative be able to demonstrate proper requires additional time and Identify types of burns and Skills Used: Affective: Cognitive: BEHAVIORAL OBJECTIVES ORIENTATION CONCEPT NO. Construct a campfire Proper use of utensils. property. burns. Prevention and treatment of as it applies to First Aid -10 - Economic Planning Burns n-Class: [F] D. A. ç. **#** types of burns. Discussion and showing ယ • 2. Addition of fuel (wood) How to extinguish fire. to fire. Movies: Treatment of First Aid Now. Wounds and Burns Campfire construction. degrees. burn to various Using raw meat rind, stir with stick. Soak in water and within ring. Spread coals out Set wood on gently. by alternate stacking of wood or a tee-pee Gathering of kind-ling and larger wood Never throw wood on Fire ring in open oxygen to get to Make allowance for fire. base of fire, usually making sure it is area. STUDENT-CENTERED LEARNING ACTIVITIES (Continued) SUBJECT TOPIC/UNIT and Camping Health Education A G ₿. **Outside or Community:** • Campfires speak on the treatment School nurse or county Suggestions: ponsible for the groups which are res-Students break into prevention. of burns and the burns. following: Red Cross volunteer to nurse to speak on a. Show where kindling Preparing fire ring, can be used in making Show the use of can be found. Extinguishing fire. fire going.
Gathering kindling. kindling wood hatchet and how it wood. Gathering large starting and keeping ۵

Environmental:

Integrated with:

### **Publications:**

How to Survive on Land and Sea, United States Naval Institute, Family Guide Emergency Health Care, U.S. Dept. of HEW, 1968, Public Health Service Boy Scout Handbook, Wabelos Scout Book, Boy Scouts of America Annapolis, Maryland, 1956

## Audio-Visual:

Treatment of wounds and Burns, film, BAVI First Aid Now, film, BAVI Outdoor Survival, Education Ventures, ICE.RMC, SG 9

### Community:

# CONTINUED OR ADDED LEARNING ACTIVITIES

- F. Treatment of burn
- Treatment of burns.
  1. Cover with clear
  2. Shock can be inv Cover with clean dressing and get medical aid.
- Shock can be involved. a. Lay victim down.
- c. Elevate feet. b. Keep warm.

E. Title 59 70 0135 materials in setting up a animal observations through awareness of wildlife and Show, through discussion, camouflage blind. and make use of available slides and picture displays their habitats. Show the results of their Skills Used: Affective: Cognitive: ORIENTATION BEHAVIORAL OBJECTIVES CONCEPT NO. **Environmental:** Use of camouflage How to use quietness and ving animals. skills of tracking in obserequipment. Care and handling of camera Properly determine animal serve animals. habitat. **Leisure Time** to ob-Ecosystem In-Class: Actual hunting with camera. Note: This should be done quate. a local woods beginning in time for animals, and 1/2 day should be quite adethe early morning, feeding How to hunt. . م Need for camouflage a. Take and study STUDENT-CENTERED LEARNING ACTIVITIES Discuss different paring a blind. methods of precomparison of clothing to an of an animal in Perhaps show person would strips of pictures or filmits environment dress to take efdifferent envifective pictures Determine how ronments in area. (Continued) Through use of Actual field experience a drawing or diagram. thru field trip. SUBJECT Integrated with: TOPIC/UNIT Ĭn Camping - Hunting With Cameras Physical Education/Camera Club ဂ ₩. Outside or Community: who has hobby in this wildlife photographer with cameras. Go to and environments. Slides on many habitats I-C-E office, Green Bay. George Howlett, Project area. be someone from community newspaper. Could also different seasons. animals through the mals and habitats as pictures of as many different kinds of anidifferent areas and take nity club to go hunting Start school or commufrom local magazine or from community. Could be Bring in resource person possible. Could even show 25

### Publications:

Animal Behavior, Niko Tinbergen,
Life Nature Library, Time-Life
Books, Silver Burdett & Co.
Complete Book of Outdoor Lore,
Ormond, Harper Row, 1965
Peterson Field Guide Series,
"Birds", "Butterflies", "Animal
Tracks" and "Reptiles and
Amphibians", ICE RMC, 115 Pf

## Audio-Visual:

lms:

Nature's Half Acre, Walt Disney,

ICE RMC, Film #2TO

Let's Make a Film, ICE RMC,

Film #360

Filmstrips:
Audubon's Birds of America,

Encyclopedia Britannica

Encyclopedia Britannica

### Community:

The Variety of Living Things McGraw Hill, ICE RMC, KT 37

Audubon Society member Amateur bird or animal watcher

# CONTINUED OR ADDED LEARNING ACTIVITIES

# CLASSROOM (Continued)

- 3. Discuss how to make use of available brush and vegetation. Teach to do this with as little cutting or destroying as possible. Use available waste.
- Determine quietness and cover needed to observe specific animals.
- a. Take specific animals and show their behavior.
  Discuss how cover, noise, and smell would affect
  behavior of these animals. Make charts showing
  this for particular animals.
- b. Determine how to approach these animals and take their pictures. Discuss determination of wind. etc. before going out to take pictures.
- B. Take hike to a certain environment.
- 2... Also, look for tracks of different animals. Try to Keep record of colors and cover found in this area.
- find different habitations found in this area.
  Students can keep records through notes or drawings
- When back together, compare notes and determine animals and environments found.

Environmental:	Integrated with:	•
CONCEPT NO. 12 - Stewardship	P SUBJECT Physical	1 Education/Camera Club
ORIENTATION Leisure time	TOPIC/UNIT Camping	- Camera Hunting
DELINIODAL OB IECTIVES		1
	סיסטבואו בערואורט ברעוואוואס	O MOTIVITIES
Cognitive:	In-Class: Ou	Outside or Community:
era	of camera hunting.	<ul> <li>Present display in</li> </ul>
and arrow h	hunt with a camera?	school or commun
ıts	Conduct a co	_
preserving the environment.	of costs of diffe- !	hunting. Display charts,
	types c	comparison, etc.
	a	Work in
·	of three types of	school camera club if
	hunting: camera,	there is one.
	rifle. Use	
	and price	Photograpi
~	f var	
A ffection.	Ħ	interest
••	ຜ	
note camera "huntın	. Pre	{
	of bu	
of today for tomorrow.	, cha	
	debate the costs of	
ne positive and	each one.	
of each means c	<ol><li>Present a comparison;</li></ol>	
nting and why can	different	,
is more beneficial to our	types of hunting and	
(1	how they affect the	
Camera c.	environment.	
b. Rifle d. Poison	a. Noise-tape noise	
	levels of the	
KHIS Used:	different types	
l. Presenting cost analysis of	of equipment. If	
different items.	possible, deter-	
2. Understand care and handling	mine decibels of	
of cameras.		
rermine vai	b. Accidents-Make	
Of differenc cameras.	chart or bulletin	
	(Continued)	

### **Publications:**

Obtain manuals for cameras Photography for Kids, ICE RMC, Kodak Dark Room Guide Kodak Color Guide and parts. showing operating instructions

## Audio-Visual:

Films:

Let's Make a Film, ICE RMC, Film #360

Searching Eye, BAVI Color Quality of Light in Photography, BAVI nstincts in Animals,

### Community:

# CONTINUED OR ADDED LEARNING ACTIVITIES

## CLASSROOM (Continued)

animals, failure to track wounded animal, etc. each type of hunting. Make comparison of hunting deaths for each type. Statistics available from DNR. Also make comparison of useless kill of board showing possible accidents and causes in

- ä Equipment.
- without any seasonal regulations. No license is Discuss fact that camera hunting can be done needed and a person of any age can do it.
- Type of equipment to be used:
- a. Make a display of different types of cameras available. (Perhaps different families could provide different types of cameras.) Possible cameras to use in this type of activity.
- 1. Kodak Instamatic seems to be best at lowest price. Slides can also be taken.
- 2. More expensive 35mm models. These would be obtained mostly from parents.
- Ç How to use equipment.
- Show students shutter release and film advance (Instamatic).
- Show students F stops and shutter speeds. (35mm) Discuss ASA (speed of film and how this effects F stops and shutter speeds).
- D. chipmunks, etc. Take students out and help them take pictures of birds,
- Display picture after developed.

S, E. Title III **PROJECT** 59 70 activity of hiking. counting them while participa-Shows an awareness of the an impression of a track or hiking. ting in the leisure marking. Demonstrate a Observe and identify different variety of animal tracks by types of animal tracks while Skills Used: Cognitive: ORIENTATION Affective: BEHAVIORAL OBJECTIVES CONCEPT NO. **Environmental:** Correctly reproduce someanimals. Correctly follow and track animal tracks. Identify and associate thing which is observed. method of making 9 Leisure Time Management In-Class: Ç A thing which can make a ness. wetness and dryness of Study the effects of vegetation and brush signs made by reptiles. can be carried along different levels of wetferent types of soil at pans which include difsoil on tracks, set up berry bushes, etc.). sibly in the state. with them. Include all pocket-size book which students make small animal tracks. Have Study different types of In book include signs on Bring in markings and found in area and postypes of tracks to be Purpose of (broken branches, clean tracking. Show it as a way of serve tracks around esting. As you are you. hiking you can obhiking more intermaking STUDENT-CENTERED LEARNING ACTIVITIES Then take someanimal leisure SUBJECT Integrated with: TOPIC/UNIT Hiking -Physical Education D. ç, ₿. **Outside or Community:** Tracking assistance in planning animals, don't disturb afternoon or evening other signs which have trail. DNR person could be of observe animal markings. Have students set up of different animals. of community to help animal. showed presence of an observed. Also display Keep on display all this type of hiking their environment. A Be concerned about the Develop an area where classes to teach their enjoyment in hiking. people identify tracks tracks the students have local people may hike to knowledge to adults. this as added means of Display material in Include posters showing local establishments 29 the

(Continued)

### **Publications**:

Animal Tracks, George Mason

Mammal Guide, Ralph Balmer

Complete Book of Outdoor Lore,

Ormond, Harper Row, 1965

Peterson Field Guide Series,

ICE RMC, 115 Pf

NASCO Field Guide, Animal Tracks

## Audio-Visual:

### ilms:

Animal Tracks & Signs, BAVI Common Animals of the Woods,

### Community:

Local guide or hunter to teach tracking to students.

# CONTINUED OR ADDED LEARNING ACTIVITIES

# CLASSROOM (Continued)

spotted. 1/2 of potato and carve a track on it. Study the appearance of the print in different pans. Also leave it sit for a few days and see how this affects the track. This will help to determine age of tracks when print and put this impression on soil. Examples:

**P** Take class on trip to area where animals are known the animal and draw tracks from observation. to exist. Then have students look for tracks. Determine

<u>দো</u>

mold carton over track and seal bottom with dirt. Mix plaster of paris and pour in mold. Leave dry and take mold off of track. Could also make display of these. use this one as a mold. Carry water in other one. Place project. Take milk carton and cut out top and bottom, Teach students how to make plaster of paris casts of tracks while in woods. Use milk cartons to work on this



E. Title III **PROJECT** 59 70-0135-4 interpretive movement. advantageous attitudes of man to the ecosystem of which he Displays both detrimental and or not. if all the factors are present an ecosystem. an ecosystem by determining Analyze a person's example of is a part through music and dance, an interpretation of Demonstrate, through creative Skills Used: Affective: Cognitive: ORIENTATION BEHAVIORAL OBJECTIVES CONCEPT NO. Application of a certain means of interpretation and Use of body movement as a music. subject to selected forms Community Dynamics 2 - Ecosystem of In-Class: 4 ω • 2. Class work. cepts to class thru and music. This type dramatize their con-Have individuals set up. (Another viduals. Give short or pairs of indi-Select several the use of movement time would be needed More preparation possibility is to Assign one concept each one. Make these of music to go with their own music. let students select time to prepare and to each individual to. interpret and move Select short pieces sheets of paper (see ecosystem and write environmental systems however. fairly simple to examples on back). them on individual that demonstrate an STUDENT-CENTERED LEARNING ACTIVITIES SUBJECT TOPIC/UNIT Integrated with: Rhythms - Modern Dance Girls Physical Education Outside or Community: Possibility of making present to school or community. this into program to

Environmental:

(Continued)

Freedom of movement--fee

uninhibited

expression.

# SUGGESTED RESOURCES CONTINUED OR ADDED LEARNING ACTIVITIES

### Publications:

CLASSROOM (Continued)

of activity is something like "Charades".
PTO demonstration which would have an ecology

Examples of Environmental Systems:

theme.

A river and its effect on the land, animals and

good possibility for both arm and leg movement. Possible to bring in example of the fish hawk in New England and the effects DDT have had on its population within its system. A hawk and its relation to its environment. Provides

reproduction.

Comparison of a molecule of air in an industrial, smoke filled city to molecule of clean, fresh air in country. Ex.-Try to bring information of smog (molecule being trapped). Perhaps molecule affecting

human being, etc. A piece of litter (tin can, etc.) and its effects on the environment around it. Recycling could be

brought in.

Note: dance techniques have been demonstrated This lesson should be taught after basic modern

## Audio-Visual:

Modern Dance, BAVI Being Me, BAVI

S. E. 59 **PROJECT** -70-·C-0135 some are included. class presentation in which Show an awareness of the many tional facilities through a mental conditions. factors influencing recreasidering the seasonal environresources in the state con-Map the possible recreational Skills Used: Affective: Cognitive: BEHAVIORAL OBJECTIVES ORIENTATION CONCEPT NO. Environmental: Research. Class presentation. Available Facilities Q Resources In-Class: ₩. Note: The activities could corporated with geography map portion could be inof local recreational with your class work and facilities available. then discuss the amount particular activities and possibly trying different be done in correlation local area for these 10. Divide the class into sample areas suitable Have groups make maps ation. One group could for their selected recre recreation. different outdoor group will select groups of 2 or 3. Skiing, water, Golfing. Camping, etc. Horseback riding. Bicycling. Snow shoeing. Surfing. Swimming. Fishing. Tennis. Hiking. Canoeing. STUDENT-CENTERED LEARNING ACTIVITIES SUBJECT Integrated with: TOPIC/UNIT Each snow. of Outdoor Recreation Health or Physical Education A. ဂ ₿, **Outside or Community:** which were least desirable and those and then make a chart resources in the area different recreational students could go to on a weekend a group of During mini-course or available material. mation centers for bureau or tourist infor-Write to the travel mation on tourist areas. Write to AAA for infordesirable. those which were most Of f

(Continued)

### **Publications:**

Numerous publications concerning and public libraries. outdoor recreation and facilities are available in the school

# CONTINUED OR ADDED LEARNING ACTIVITIES

- CLASSROOM (Continued)
  also be assigned to map all types or recreational areas within the local area.
- c. geographic, economic and environmental considerations for such facilities. Their presentation to the class should include climatic,

### Audio-Visual:

Films:

Heritage of Splendor, University of Wisconsin

Better Use of Leisure Time,

Forest, BAVI BAVI

Community:



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Skills Used:  1. Evaluation of personal level of physical capacity thru use of informative and descriptive charts.  2. Relating specific exercises to muscular development. (Continued)	Participate in a physical fit- siness program for would-be hunters as an assistant.	E Suggest exercises that could be used to increase one's A physical fitness.	Affective:   Express the need for physical fitness in hunting.		Useful in building a person's physical fitness and explain the Eunction of each.	Cognitive:  Cognit	ORIENTATION Fitness  BEHAVIORAL OBJECTIVES	Environmental:  CONCEPT NO. 1 - Energy
arison he studes stored the studes showing training scessary a physica inting. (C	B. Discuss and show the energy cycle from sun to plants to animals. Show through use of	(3) (3) (3)	situations or move- ments in different types of hunting. (crawling, climbing,	l. Provide a set-up obstacle course for students which poses	s can co and its n and hi ve the s cally in	B shed withe	TOPIC/UNIT Hun	Integrated with:  SUBJECT Hea
		e community inte hunting 2-3 wee ior to the seaso	y, physical revercise coul	Physical linic for . Emphasis		Community: trip to nearby ed area. ide speaker,	Hunting - Recreation  EARNING ACTIVITIES	Health/Physical Education

### Publications:

President's Council on Physical Fitness

### Audio-Visual

#### Films

Death Is A Careless Hunter, BAVI
Physical Fitness and Good
Health, BAVI
Pictures or slides showing local
terrain for hunting

Chalkboard talk or chart showing

energy cycle

### Community:

Wisconsin DNR - speaker Local hunting guide

# CONTINUED OR ADDED LEARNING ACTIVITIES

### SKILLS (Continued)

Being able to analyze a physical weakness and improve that area through appropriate learned exercises.

## CLASSROOM (Continued)

Have available number of hunter-related deaths and carelessness. Divide class into groups to discuss how these could have happened and been prevented. (Supplement injuries in Wisconsin from heart attack, fatigue and this part with movie, Death Is A Careless Hunter.

Example of chart for "C".

areas. Areas for Muscular Development in Hunting. Done on the basis of those movements emphasized in hunting and on the obstacle exercises for certain students who are weak in only certain course. You can individualize it by emphasizing those

1. Jogging 2. Hiking 3. Wind- sprints 4. Timed obstacle course	Heart
<ol> <li>Leglifts</li> <li>Isometrics</li> <li>Stretching exercises</li> </ol>	Legs
1. Pushups 2. Arm and shoulder exercises	Arms
1. Situps	Stomach
1. Bridges	Neck

movie supplement--at this time carelessness could be emphasized as a major reason for deaths and injuries Although safety should not be de-emphasized, it could be brought out as partial knowledge--on the basis of the

Environmental:

CONCEPT NO.

- Ecosystem

Integrated with:

SUBJECT Health Education

TOPIC/UNIT Hunting - Equipment

ORIENTATION

BEHAVIORAL OBJECTIVES

Safety

grams and charts, the purpose of proper and safe hunting equipment. Show, through the use of dia-Cognitive:

--70--0135

**PROJECT** 59 --Chunting today and the need for training needed for persons Evaluate the need for safety hunting 100 years ago.

#### Affective:

**w** 

a safe and comfortable hunting Accept certain techniques for experience.

Title vision. using a weapon, without super-Use safety procedures when

#### Skills Used:

Knowledge of weapon and Care and handling of weapon equipment being used.

D.

handling of different types of weapons. Show pictures of local

hunting areas. Discuss

strate proper care and Have students demon-

C

weapon.

tance of each part of (Possibly explain impor-

(T)

affect its ecosystem.

polluted river will

to misfiring just as raulty shell will lead

of ecosystem. Ex.-

ship of parts as a type

shells. Discuss relation-

including

weapons,

parts of particular

diagram the different Have students draw and can be used as examples

- Safety and care of hunter in relation to his weapon. in sport of hunting.
- Preparation of instructive charts and diagrams.

warmth, dryness, etc. examples of camouflage these areas. Bring out dress for hunting in

(Continued)

in-Class: of different weapons Show pictures or models

effectiveness and use of used in hunting. Discuss

types of hunting. Discus weapons for different

velocity, safety,

range,

Set up display in school and safety concepts or community showing care helpful. police officer would be taught in lesson. Also,

₽. safety in school or Start action to set community. a course on firearm

noise levels, etc. (Bows shotguns, 30-30, etc.,

ç environment of the hunting equipment and their effect on the Show relationships hunting area. (noise, litter, etc.) (in display) of proper

D. area. wildlife in particular deer, migration of birds, with science units on behavior of white tail Possible correlation

Offer course 2-3 weeks COULD BE INCLUDED WITH THE UNIT ON FITNESS, CONCEPT #1, PAGE 35. community. THIS UNIT prior to hunting season for the adult: in the

## STUDENT-CENTERED LEARNING ACTIVITIES

Outside or Community:

37

#### **Publications:**

Material on gun safety course offered by state Dept. of Natural Resources, equipment care pamphlets on gun training and

### Audio-Visual:

Trigger Happy Harry, BAVI Shotgun Shooting and How, BAVI Movies from firearms and archery Films: possibly be obtained from ROA's and handling of product, could manufacturers showing production Films, Milwaukee Death Is A Careless Hunter, BAVI

### Community:

Local sheriff or rifle training expert to speak on safety and care of firearms

# CONTINUED OR ADDED LEARNING ACTIVITIES

CLASSROOM (Continued)

Possibly bring in reasons why much of this clothing is needed. Bring out that colors can be out of place in an animal's environment and, therefore, attract undue attention to the hunter.



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Environmental:

Integrated with:

			uka		MANIENE.	Andre See					
	E.S.		Title II	<del></del>	OJECT I		59- <b>70</b> -0		4		<del>~~~</del>
Skills Used: 1. Testing. 2. Correlations.		ions presented by tenvironment.	clean fresh air is an essential item through his improvements of lung capacity and correla-	Affective: Appreciate and accept the fact that our existing supply of		Predict the oxygen intake for a given type of activity using the graph as the basis.	vascular capacity related to oxygen intake under varying degrees of physical activity.	eir indivi	BEHAVIORAL OBJECTIVES	ORIENTATION Personal Limitations	CONCEPT NO. 5 - Air
t	<del>o</del>	•		G G		₩		in C		atio	
ted, teacher long-range cobetween lung and circuit t continued ove fied period o (Conti	2. Have sev ring sta speed up When testing	<ul><li>apacity.</li><li>Explain measur device for cap</li></ul>	istribu core ca epresen	gallon jug and one i level pan. Teacher starts class	experiment to measure students' lung capacity. Materials needed: Two foot rubber tubing, one	capacit child. Teacher set	<pre>1. Teacher sets up     circuit training     an exercise program     set up within the</pre>	in-Ciass:  A. To be done before class:	STUDENT-CENTERED LEARNING	ns and Health TOPIC/UNIT Fitness	SUBJECT Healt
								Outsic	1 1	SS +	h/Phy
39						general fitness.	rage adults to ease their lung city, thus impro	Outside or Community.  A. Talk at PTO meeting and	ACTIVITIES	Cardiovascular Testing	Health/Physical Education

#### Publications:

Fitness for Elementary School Children, Victor P. Dauer, Burgess Pub. Co., Minnesota

### Audic-Visual:

Films:

Heart, Lungs and Circulation,

BAVI

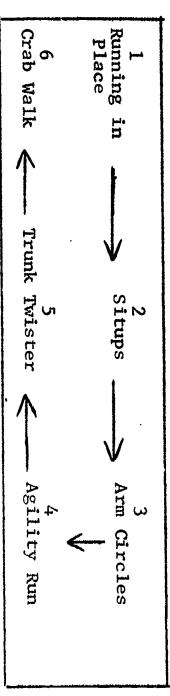
Fitness Challenge, BAVI Exercise for Happy Living, BAVI

# CONTINUED OR ADDED LEARNING ACTIVITIES

## CLASSROOM (Continued)

Lung capacity is measured again after specified levels of activity. Students will see through their own measurements, an increase in capacity over a period of time from their original tested level.

A sample circuit training course.



Supplies and equipment: Mats for situps (to hook toes)

Time Needed: 4 minutes - based on 30-second activity limit. 10 seconds to move between stations.

he will see his own improved lung capacity (on the basis of comparing original tested data before and after prolo After four weeks guide for timing the circuit is as follows: A suggested progressive time schedule to be used as circuit training.) 2nd two weeks Through the use of the students individual score cards, lst two weeks -Introduction 25 seconds at each station. 20 seconds at each station. 15 seconds at each station. 30 seconds at each station. before and after prolonged مه

Title A. 111 **PROJEC** 59--70--0135 efficiency of the human body. Promote exercise as a way of manipulate and change. ciency of the human body. increasing the functioning lopment which he can manage, Finds satisfaction in percise to the functioning effiother characteristics. person's weight, height and that is suitable for the the type and amount of exeris a positive correlation of Draws conclusions that there Develop an exercise program Skills Used: Cognitive: ORIENTATION BEHAVIORAL OBJECTIVES CONCEPT NO. Affective: Environmental: Manipulation and body Controlling object through system. coordination of muscular control Q Bodily Development Management In-Class: dance with a testing program that could be used in accor-**~** This **¤** Note: Man must manage the of its own and should be his body is an environment taken care of as such. student more aware that if used, can make the his body. This correlation land as man must manage Fitness.
Exercising to music. class should be done Introduction for the for motivation. is a long-range episode **ٿ** Weight lifting demon-Movie, Physical stration. a. Vary strength motivation. Rhythms used for STUDENT-CENTERED LEARNING ACTIVITIES (Continued) strength. Use traditional exercise with 2) Push ups exercises for combatives. 1) Isometrics ups, pull ups. couple. chin ups, sit SUBJECT Integrated with: TOPIC/UNIT Exercise - Movement Area Physical Education Outside or Community: . B Possible speakers Possible correlation. YMCA M.D. Anatomy. Professional athlete Kinesiology. Physiology.

# CONTINUED OR ADDED LEARNING ACTIVITIES

### **Publications:**

Health Magazine, STRENGTH Professional Journals, JOHPER, AAHPER

## CLASSROOM (Continued)

in physical education or a partial episode used just as a warmup activity with your regular daily program.

### Audio-Visual:

Films:

Why Exercise? Weight Training - Basic Exercise

Community:



***************************************	E. S. E. A. Title III - PROJECT I-C-E 59-70-0135-4	
Skills Used: 1. Discussion. 2. Research. 3. Bowling techniques.	CONCEPT NO. 6 - Resources  ORIENTATION Bowling  BEHAVIORAL OBJECTIVES  Cognitive: List the equipment needed for bowling, along with the natural resources required for the sport.  Explain several ways in which the sport of bowling is helpful in maintaining the physical and psychological well-being of a person.  Affective: Value bowling as a leisure time activity by listing it as a worthwhile use of his leisure time.	
	SUBJECT Physical with:    SUBJECT   Physical Phy	
4.3	Physical Education  Bowling  LEARNING ACTIVITIES  Outside or Community:  A. Bowling at local lanes. B. Have bowling alley manager discuss the importance of controlled conditions to keep the bowling game at its best.  C. Organize a school bowling league.	

# CONTINUED OR ADDED LEARNING ACTIVITIES

### **Publications:**

Physical Education Activities
Handbook, Stanley and Waglow,
Allyn and Bacon, Boston, 1968
pp. 197-203
Basic Skills in Sports, Armbuster, Irwin and Masker, C.V.,
1963, pp. 58-66

### Audio-Visual:

Contact AMF or Brunswick sporting companies for films.

Community:



Environmental:		Integrated with:		
CONCEPT NO. 7 - Land Use		SUBJECT Phys	Physical	Education
ORIENTATION Recreational Fac	ciliti	ies TOPIC/UNIT Skiing	ng C	
BEHAVIORAL OBJECTIVES		STUDENT-CENTERED LEARNING	1	ACTIVITIES
Cognitive:	In-Class:	5:	Outside	de or Community:
on a map the ski	Α.	Student project: N	Α.	K.
areas located		the ski areas		
		state. Sources		development.
Demonstrate limited prof		mation c	<b>.</b>	Ski outing.
in skiing skills listed in		travel inform		Ski patrol person to
C 2-3 in inclass activities.		or broc		speak on importance of
		L nills		conditioning and be
Trionship to population	đ			aware of hazards that
centers, tra	•	1. Growth of skiing		hills.
a map.		y ti	D.	Check ski hill in
T		has taken pla		spring and recommend
Dronoto ciri aroa 1100 ac a		number or		erosion controls, 11
of utilizing leisure tim		to nonitiation		ringto to a propusit.
(		ters.		
ue-		t has skiing		
		the ec		
Α.		the area.		
		4. How has the skiling		
		$\mathbf{o}$		
		rest areas, litter,		
	)	•		
L. Skiing.	c.	nditioning andition to ski		
		l. Exercises to develop legs, both calf and		
		les.		
		e de		• 1
		(Continued)		C+

#### Publications:

Everybody's Ecology: A Field Vacation and Travel Service, P. O. Box 450, Madison, WI 53701 of-Doors, Clay Schoenfeld, ICE RMC, 100 Sc Guide to Pleasure in the Out-

### Audio-Visual:

Films: Game: Ecology, Winter in Ontario, BAVI Harmony, ICE RMC, Film #340 Ecology; The Game of Man and Ski Time in the Rockies, Nature, ICE RMC, KT 4
ICE RMC, KT 24 ICE RMC, SG 2 BAVI

#### Community:

# CONTINUED OR ADDED LEARNING ACTIVITIES

## CLASSROOM (Continued)

- How to approach rope tow and how to get on.
- How to approach chair lift and how to get off.
- How to snow plow.
- How to traverse the hill.



**PROJECT** I-C-E 59-70-0135 body. a means of seeing the outdoors of and the movement of the of leisure time activity and Take part in the conditioning Desire to use skiing as a form conditioning. each exercise in skiing and explain the purpose of Demonstrate several exercises Skills Used: Affective: Cognitive: BEHAVIORAL OBJECTIVES ORIENTATION CONCEPT NO. Environmental: Development of exercise skills. Skiing Management to your unit on skiing. This would be a 2. Exercises: developing a swinging as far as possible to right, then lift out to the side. on the ground, hands Twist trunk slowly distance apart flat feet about shoulder Stride jump. Feet together, hands on Trunk twist. Place student may reach down as possible. back between the the floor or as far touch fingers to overhead, bend trunk waistline If very flexible, knees straight, forward and down, Toe touch. From quickly. Alternate legs. forward. right and left leg long stride. Repeat ground. Land with hips, jump off the legs spread in a STUDENT-CENTERED LEARNING ACTIVITIES SUBJECT TOPIC/UNIT Integrated with: good leadup raise arms Ski Conditions Physical Education **Outside or Community:** Have a ski expert from a demonstration on actual skiing. are necessary or applied to the movements in exercises and how they the local ski club 47

motion.

(Continued)

#### 

### SUGGESTED RESOURCES

### Publications:

William Foss. Your Hobby - Skiing,

### Audio-Visual:

Films:

Skiing: Beginning Movements,

BAVI

Skiing, the Beginner, BAVI

#### Community:

Any family member who skis could Take tour of any ski area to contribute to discussion of the different areas of a ski hill learn use and safety features

## CONTINUED OR ADDED LEARNING ACTIVITIES

## CLASSROOM (Continued)

- Arm Rotation. Arms out to sides horizontally begin with small circles ending with large circles. Do ten forward and ten backward.
- 9.2
- Ski sitting. Place back flat against a wall so the thighs are parallel to the floor. Remain in this position for as long as possible. A progressively longer period of time should be withstood.
- Rope skipping. Alternate slow and fast skipping for as long as possible. Work up to five minutes of continuous skipping.
- Bongs board. Place a 3" diameter log about 6"-8" long under a 1' square board. Place flat board on try squatting position. to get a rolling action. As the person progresses, round log. Shift weight from one leg to the other

<u>ф</u>



physical consequences which use of non-prescribed drugs. may arise from the continued social, psychological and of drugs used improperly and l. Ability to recognize becomes aware of the long term Conscious of immediate effects drugs. term effects on the human body for each drug listed. Explain the short and long-Describe characteristics of Skills Used: Affective: Cognitive: ORIENTATION CONCEPT NO. **Environmental:** BEHAVIORAL OBJECTIVES Able to appraise or evaluate motivational devices (drugs) drugs and their consequences in personal experiences. Drugs 10 - Economic Planning taulty In-Class: Ç **.** papers, JOHPER (professional journals) to cular drugs and their applications of partipart. Charts constructed only students taking Panel discussions aron the body. gains on the land--also used for short term Applications of methods #10. Human body compa-Application to Concept own and share with do research on their serve as an introduction nent facts, interviews and stories from newsranged by teacher but rable to environment. Students are urged to teachers and students Teacher brings in pertiimmediate and possible long-term effects. ņ Social drugs. sports. Drugs for different STUDENT-CENTERED LEARNING ACTIVITIES Tobacco. Amphetamines Alcohol. Barbituates. SUBJECT Integrated with: TOPIC/UNIT Health Education Health Education A **Outside or Community: B** wildlife. Drugs and effects of pollutants making point to show warden brought in Athletic trainer. on animals and other George Howlett, Project M.D. on drugs. Police officer their effects on the Comparison #1. Game I-C-E office. Drugs" "Health and speaking 49

PROJECT I-C-

59

(Continued)

### **Publications:**

Physical Education, Recreation)
AAHPER (American Association of
Health, Physical Education,
Recreation) JOHPER (Journal of Health,

### Audio-Visual:

Films:

Drugs: Facts Everyone Needs To

Drugs Know, and the Nervous System,

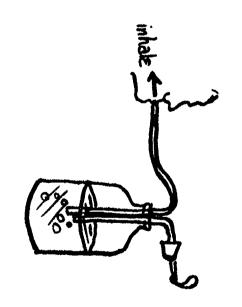
High Drugs and You, BAVI

#### Community:

# CONTINUED OR ADDED LEARNING ACTIVITIES

## CLASSROOM (Continued)

- e. Hallucinogens.f. Narcotics.
- Physiological problems:
- a. Heart.
- c. Liver. Lungs.
- D. smoking machine - use gallon glass jar, rubber and glass tubing and one cigarette. In-class experiment with tobacco. Set up an artificial



S. E **PROJECT** 70-·0135 relatively short distance. mobile when needing to go a while bicycling by listing a 1. Bicycle safety. Choose cycling as a mode of number of things that he saw. nature and their environment a mode of transportation. transportation over the auto-Demonstrate awareness of automobile, bus and train as Compare bicycling with the health reasons. bicycling for physical and Describe several benefits of Skills Used: Affective: a. Costs. Cognitive: BEHAVIORAL OBJECTIVES ORIENTATION CONCEPT NO. Effect on environment. Speed. 4 Pollution n-Class: C ₿. A signals and rules of the dents must use hand bicycle course so stu-Have students set up ယ • Bike trails. Benefits of biking. Bike safety. c. Feeling the sun. Getting closer to Physically. a. Cardiovascular nature. Clean air. Benefits of trails Rules of the road state DNR). b. Where to ride a. Signals. Locations STUDENT-CENTERED LEARNING ACTIVITIES Try going slower; Use of small Conditioning. Breathing fresh Leisure time Does not pollute you can see activity. nature. resources. amount of natural (air & noise). SUBJECT TOPIC/UNIT (consult Bicycling Health and Physical Education D. ဂ ₿. **Outside or Community:** with bicycling. work on course for packing coordinated. school. Organize bike club and elementary students to or week where everyone Have a town bicycle day Bike trips with back-Bike trips. Bike rodeos. bike patrol for your they could become familiar Have a school biking day Interested students could destination. rides a bike to their bicycle. comes to school on his or week in which everyone

Environmental:

Integrated with:

(Continued)

### Publications:

Bernard Feder, ICE RMC, IiO Fe Conditions Affecting Life, Minnesota Math and Science Air Pollution Experiments for Junior and Senior High School A Matter of Life and Breath Pollution, J.C. MacBean and others, ICE RMC, 120 Ma Classes, Donald Hunter and Henry Wohlers, ed., ICE RMC, 140 Hu Teaching Project, ICE RMC, 110 The Politics of Pollution,

### Audio-Visual:

#### Films:

Bicycle Safety, BAVI Once Upon a Bicycle, BAVI You Can't Stop on a Dime, BAVI Harmony, ICE RMC, Film #340 Noisy Landscape, ICE RMC, Bicycle Rules of the Road, BAVI Film #170

#### Community

Local policeman on rules and regulations

# CONTINUED OR ADDED LEARNING ACTIVITIES

## CLASSROOM (Continued)

E. Go on bicycle trip and emphasize the above. Suggestions: Alter to middle school or high school depending on age level and skills needed.



o|or labor-saving devices that Title PROJECT I-C-E 59-70-0135-4 will reduce this activity and Refrain from purchasing gadgets living is not necessary. gadgets, and this type of society, needing impressive exercise. America is a materialistic and project illustrating that Participate in a discussion that being a spectator. activity is more rewarding Infer that participating in an Skills Used: Affective: Cognitive: ORIENTATION CONCEPT NO. BEHAVIORAL OBJECTIVES Environmental: Spectatoritis  $\infty$ - Values and Attitudes In-Class: Note: Americans are becoming what they are doing when they are getting there and but rather by acting. person does not remain in on where they are, how that state by only watchin scious of impressing people cal needs and more conthey get there. A healthy less aware of their physicost money. (Continued) vities which will not games or think of acti-Have students construct 2 Points of discussion. Is the American a. Talk of intra-Americans more tive? How canwe get a. Spectatoritis. person active enough STUDENT-CENTERED LEARNING ACTIVITIES Automotive Talk of more TV. neighborhood game Talk of recreation society. murals. family and departments. Drinking. SUBJECT TOPIC/UNIT Integrated with: ac-Spectator vs. **Health Education B** Outside or Community: After designing games, participate. one game and actively students should select is, who it is for, and to local level. how this can be applied talk on what recreation Recreation director Cleaning up litter Participation around school. river projects. Clean up park area. DNR in forest or Become involved with 53

#### a. Sports Illustrated.b. AAHPER.c. JOHPER.Check title file in library on See Reader's Guide: spectator. SUGGESTED RESOURCES Audio-Visual: **Publications:** Community: CLASSROOM (Continued) Have students construct games which will not use natural resources. CONTINUED OR ADDED LEARNING ACTIVITIES



#### BEST COPY AVAILABLE

	P-110-0-110-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	E. S. E. /	4. Title		OJECT I-C	 E 59	-70013	35	4			
_	Skills Used: 1. Eye-hand coordination. 2. Balance. 3. Visual perception. 4. Concentration.	safety procedu at the archery	Praise safety practices fol- lowed by others on the range.	Affective: Appreciate the freedom of movement and the safety of an ideal range.	Explain number of targets and number of archers on an archery range are similar to carrying capacity of a land area.	Explain the need for safety on the archery range.	List conditions necessary for efficiency and safety on an archery range.		BEHAVIORAL OBJECTIVES	ORIENTATION Safety	CONCEPT NO. 3 - Carrying C	Environmental:
(Continued)	X X X X X X X X X X Crowded Optimal		crowded conditions - safety is essential.	Large how chip b		safety.  A. Introduction.	the students an opnity to experience conditions but ret	In-Class:	STUDENT-CENTERED LEAI	TOPIC/UNIT Arc	Capacity SUBJECT Phy	Integrated with:
55						ment. E. Interested parent.	clir	Outside or Community:	LEARNING ACTIVITIES	Archery	Physical Education	

### **Publications:**

Many books by George Bear.
Archery, Jean A. Barrett
Archery, A Planning Guide For
Group Instruction, c/o AAHPER
Publications Sales, 1201 - 16th
Street, N.W., Washington, D.C.
20036

### Audio-Visual:

Film:

Archery Fundamentals, BAVI

Local archery group could give

Community:

shooting demonstration

# CONTINUED OR ADDED LEARNING ACTIVITIES

## CLASSROOM (Continued)

- Additional activities.
- Practice range.
   Clout shooting.
- Note: If possible try to shoot into a hill. Another to avoid congestion is with the use of a semicircle. Another way

